Development of an Information and Management Website for Nha Toi Ecotourism Area

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***Abstract*—This thesis develops a website for introducing and managing the Nha Toi ecotourism area. The source describes basic visitor and staff functions, including information pages, room booking, personal details, and reservation administration. The author reports a working site with a simple interface but notes incomplete exception handling and missing advanced functions, such as auxiliary services, staff shifts, and salary calculation. The manuscript reviews several web technologies, including the MERN stack and Docker, but presents broader use of those technologies as future development. This summary focuses on completed functions and does not claim production rollout or measured business impact.**

***Index Terms*—website, nature tourism, NodeJS, ExpressJS, ReactJS, MongoDB**

I. Introduction

The Nha Toi ecotourism area needs a public introduction and a way to coordinate its accommodation and reservations. The thesis studies this setting and proposes a website serving visitors and staff. It reviews website architecture and common development tools before analysing the local requirements. The main objective is to make information and basic booking management available through one interface. The project is a student implementation for a named site; the manuscript does not demonstrate that it changed customer demand or staff workload after deployment [1].

II. Methods

The student analyses the area's requirements, designs the website's user and management functions, and implements the core pages and reservation workflow. The source describes visitors viewing information, entering booking requests, and accessing personal details, while staff manage reservations. A theoretical chapter surveys Node.js, Express, React, MongoDB, Docker, and other technologies. Because that survey is separate from implementation evidence and the conclusion proposes applying MERN more fully in future, this summary does not treat every reviewed tool as a verified part of the running system [1].

III. Results

The author reports completion of a website with the basic functions needed to introduce and manage the ecotourism area. The interface is described as simple and easy to use. Visitor and staff workflows cover site information and reservation-related activity. The source also states that advanced services, shift scheduling, staff payroll, and thorough exception handling were not completed. No measured booking increase, user satisfaction result, or production availability figure is provided. These observations support a functional student website with clearly identified remaining work [1].

IV. Discussion

A combined public and management website can make accommodation information and bookings easier to organize, but the thesis does not quantify that effect. The remaining gaps matter operationally: incomplete exception handling may affect reliability, and missing staff and auxiliary-service functions limit management scope. The author proposes code optimization, additional content and room-detail pages, mobile access, and more extensive MERN use. Those plans should not be confused with finished features of the current website. Future evaluation should test booking flows and exceptional cases with documented criteria [1].

V. Conclusion

The thesis delivers a basic website for Nha Toi ecotourism area and documents introductory pages and reservation-management functions. The author reports a usable interface and identifies incomplete advanced services, staff scheduling, payroll, and exception handling. The source discusses several development technologies but does not establish that all reviewed tools were used in the final implementation. Its contribution is a working student website and a documented plan for refinement. No measured tourism or administrative outcome is claimed [1].

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References

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